

ABSTRACT OF THE DISCLOSURE

A frequency-dependent damper incorporates a compensated piston assembly to reduce the amount of static push-out force. The piston rod is a hollow rod with a compensator being disposed within the hollow portion of the piston rod. The piston rod is a hollow rod with a compensator being disposed within the hollow portion of the piston rod. The compensator is attached to the pressure tube of the damper such that the compensator slides within the piston rod during stroking of the shock absorber. The compensated piston assembly reduces the difference in cross-sectional area between the upper and lower surfaces of the piston.